

Patent Abstracts of Japan

PUBLICATION NUMBER : 07254099
PUBLICATION DATE : 03-10-95

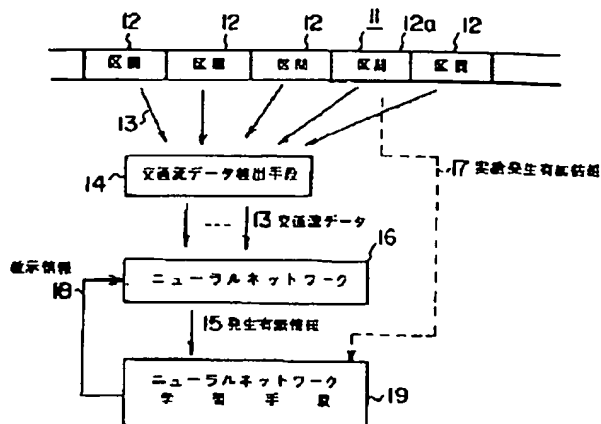
APPLICATION DATE : 16-03-94
APPLICATION NUMBER : 06045328

APPLICANT : TOSHIBA CORP;

INVENTOR : OGUE KOJI;

INT.CL. : G08G 1/00 G06F 15/18

TITLE : SUDDEN EVENT DETECTOR IN ROAD TRAFFIC



ABSTRACT : PURPOSE: To highly accurately detect sudden events such as accidents and fault vehicles, etc., in road traffic.

CONSTITUTION: This detector is provided with a traffic flow data detection means 14 for detecting traffic flow data 13 relating to the road traffic of vehicles in the plural divided sections 12 of a road 10 where the vehicles pass through in a fixed cycle T, a neural network 16 for inputting the respective traffic flow data 13 in the continuous plural cycles T in the continuous plural sections 12 detected in the traffic flow data detection means 14 to respective input units constituting an input layer and outputting the generation presence/absence information 15 of the sudden events relating to the vehicle traffic in a measurement object section 12a from an output unit constituting an output layer and a neural network learning means 19 for making the neural network 16 learn with proven result generation presence/absence information 17 in the measurement object section 12a corresponding to the generation presence/absence information 15 outputted from the output unit as teaching information 18.

COPYRIGHT: (C)1995,JPO